

FIG. 1

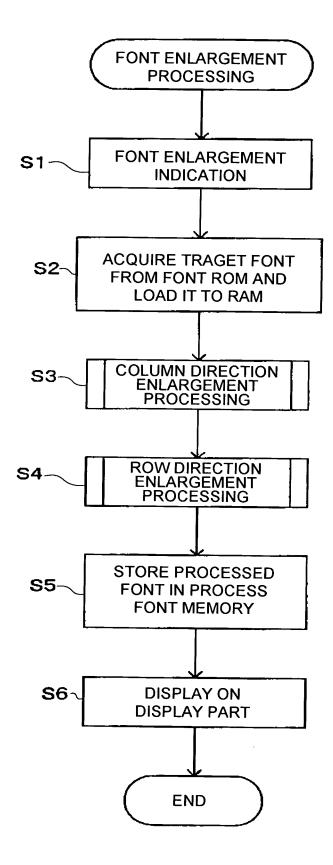


FIG. 2

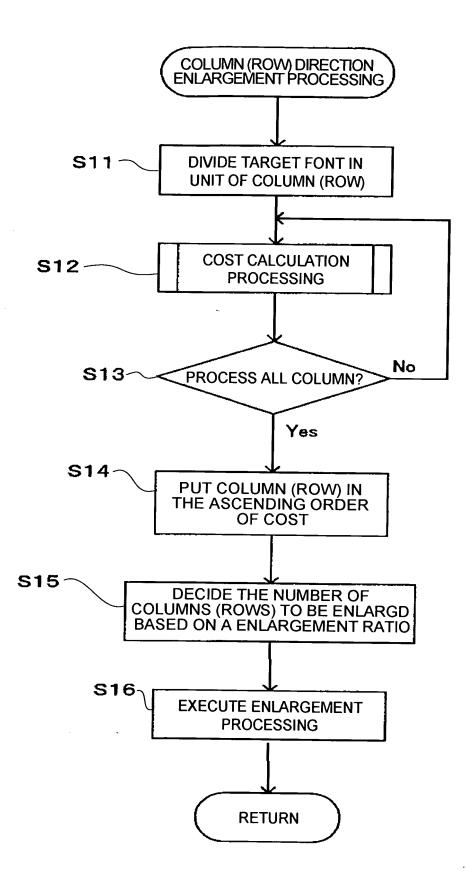


FIG. 3

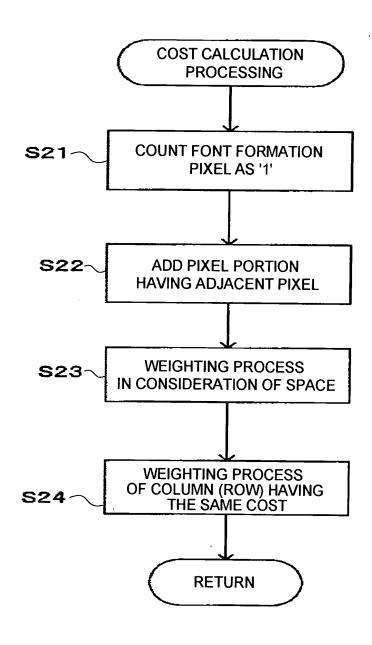
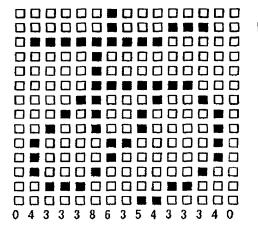


FIG. 4



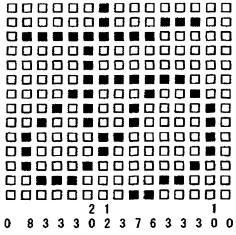


IN LEFT EXAMPLE, COUNT ■ ↓ DIRECTION

← COST OF EACH COLUMN (POSITION OF -)

FIG. 5A

\$22: ADD ADJACENT PIXEL PORTION (ADD +2 TO CONTINUOUS ■)



☐ ■ ☐ ☐ = TO BE 2+2=4 ■ ☐ ■ ☐ ■ = COST IS HIGHER THAN 3

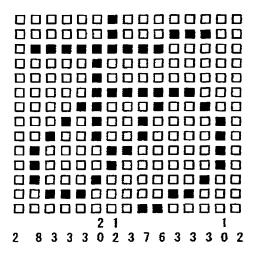
□ ■ ■ ■ = TO BE 4+2+2+2=10
■ ■ □ ■ = COST IS HIGHER THAN
(2+2)+(2+2)=8

← COST OF EACH COLUMN (POSITION OF +) ← COST OF EACH COLUMN (POSITION OF -)

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FIG. 5B

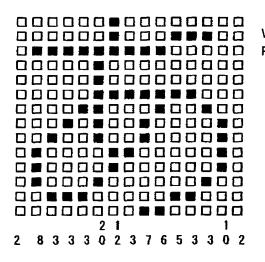
S 2 3 : WEIGHTING PROCESS IN CONSIDERATION OF SPACE IF BOTH ENDS AND 1 PIXEL INNER PORTION ARE SPACE (■ IS 0), ADD +2, +1, RESPECTIVELY



COST OF EACH COLUMN (POSITION OF +)
COST OF EACH COLUMN (POSITION OF -)

FIG. 6A

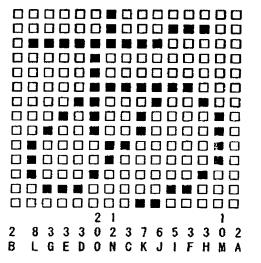
\$ 2 4 : WEIGHTING PROCESS OF COLUMN (ROW) HAVING THE SAME COST IF THE PATTERN IS EQUAL TO RIGHT ROW, ADD +2



WEIGHTING PROCESS FOR PREVENTING THE POSITION TO BE ENLARGED FROM SLANTING

FIG. 6B

## S14: PUT ORDER FROM CENTER OF CHARACTER TO EDGE IN THE ASCENDING ORDER OF COST

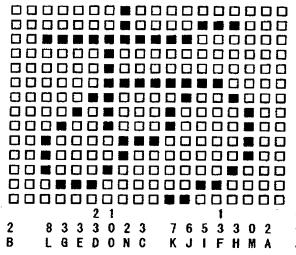


DISTRIBUTE FOR PREVENTING THE DIRECTION OF ENLARGEMENT FROM SLANTING

COST OF EACH COLUMN (POSITION OF +) COST OF EACH COLUMN (POSITION OF -) ASCENDING ORDER OF COST (A, B, · · · ·)

## FIG. 7A

## S16: ENLARGEMENT PROCESSING



IN LEFT EXAMPLE, 3 DOT WIDTHWISE ENLARGEMENT IS EXECUTED (15 ightarrow 18)

COST OF EACH COLUMN (POSITION OF +) COST OF EACH COLUMN (POSITION OF -) ASCENDING ORDER OF COST (A, B,  $\cdots$ )

FIG. 7B

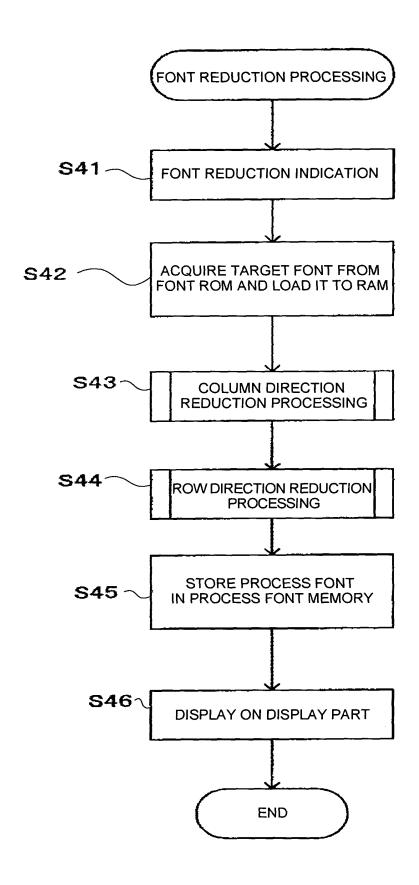


FIG. 8

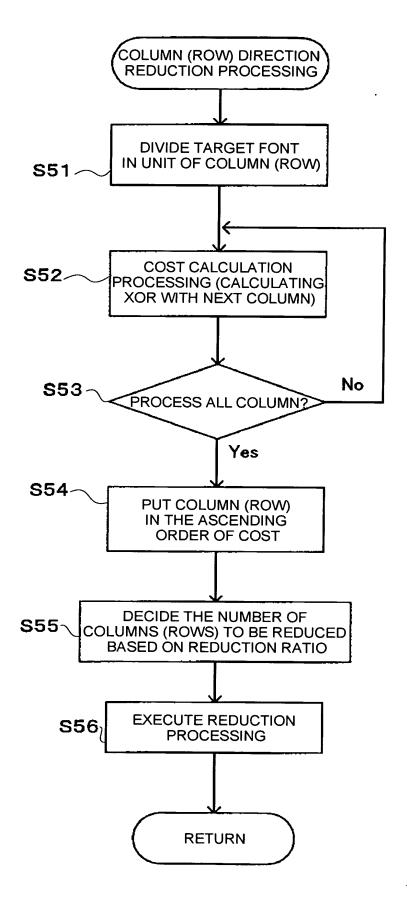
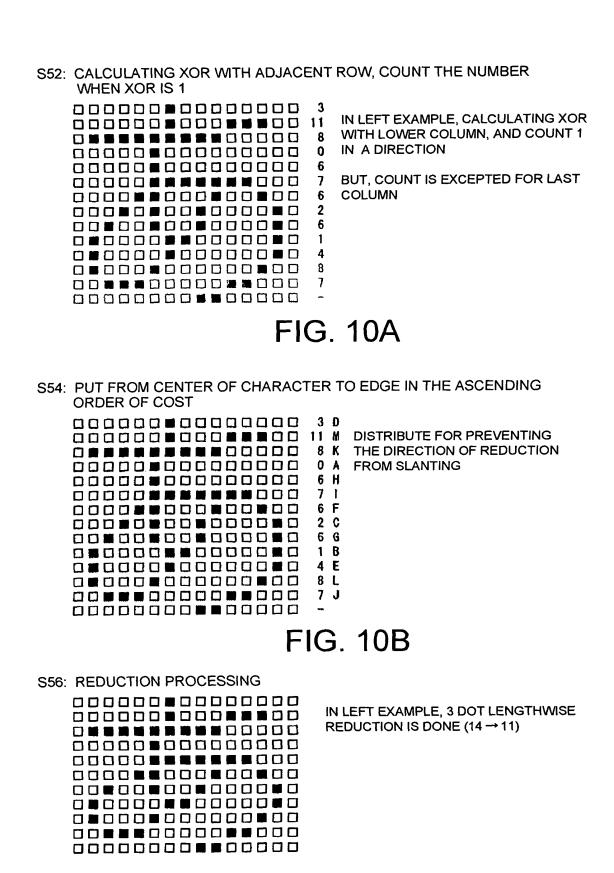


FIG. 9



**FIG. 10C** 

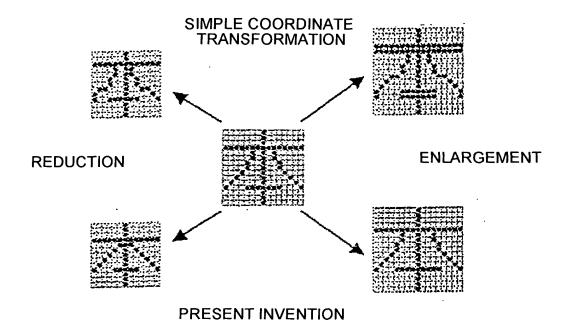


FIG. 11A

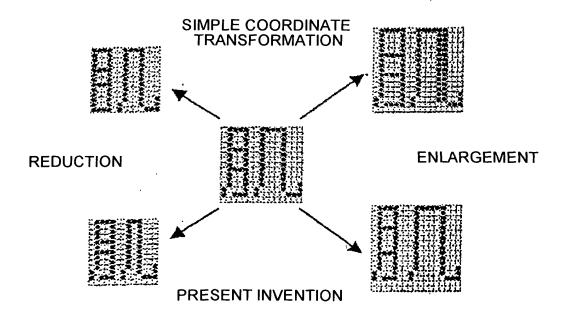


FIG. 11B

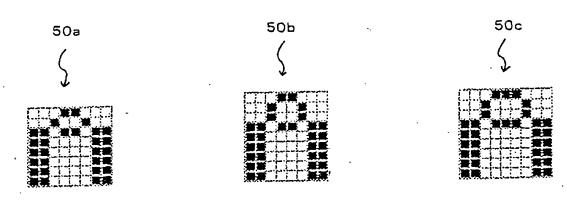


FIG. 12A

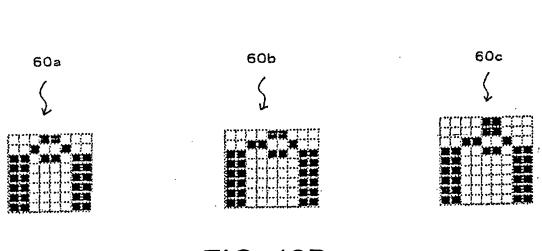


FIG. 12B

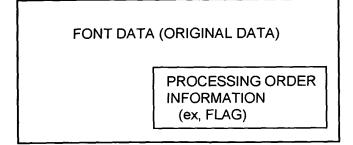


FIG. 12C

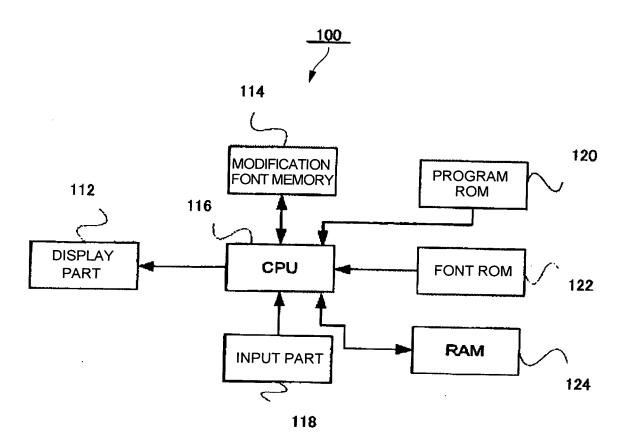


FIG. 13

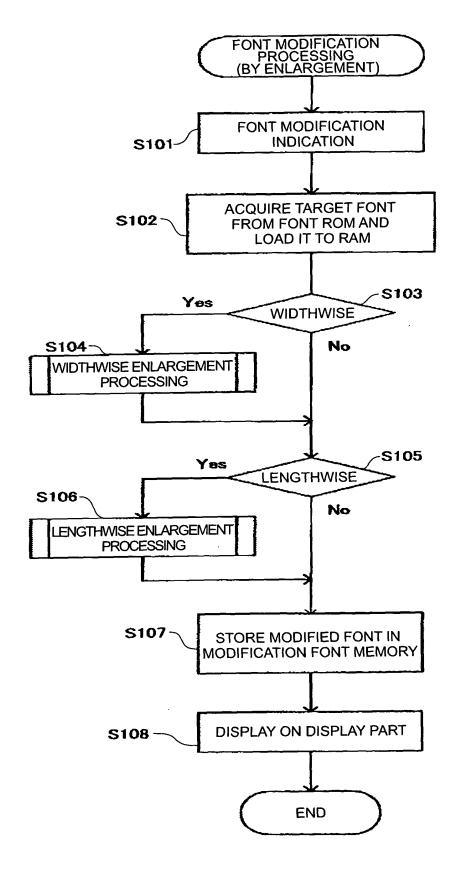


FIG. 14

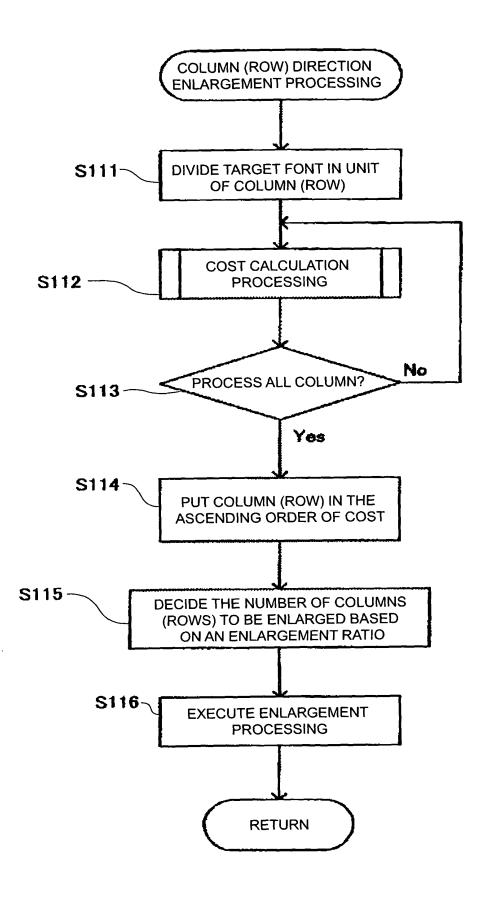


FIG. 15

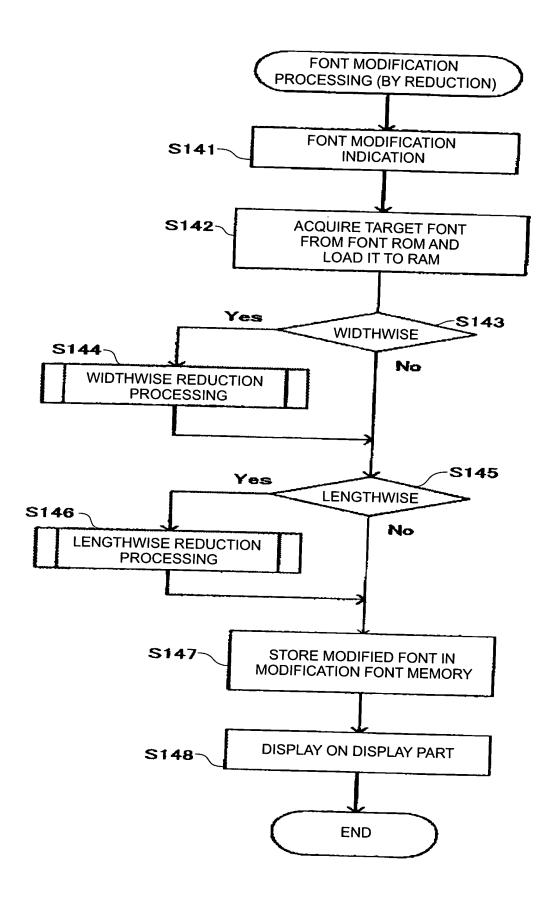


FIG. 16

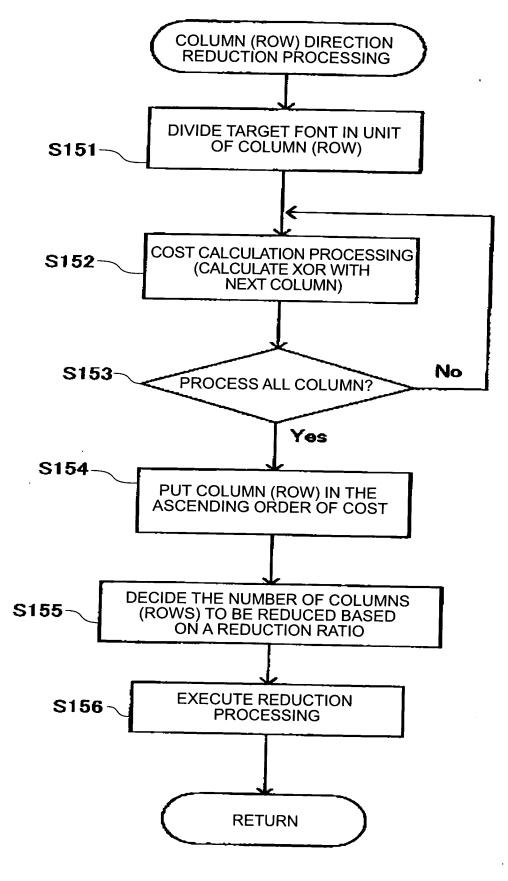


FIG. 17